

ATTACHMENT D

SUMMARY OF GROUND WATER MONITORING DATA

(2004)

GLOBAL PETROLEUM CORPORATION

NPDES PERMIT NO. MA0003425

Global Petroleum Corporation
140 Lee Burbank Highway, Revere, Massachusetts
NPDES Exclusion 98-086
Groundwater Treatment System
Influent/Effluent Testing Results

Date			7/23/04		8/18/04		9/27/04	
Parameter	NPDES Limit		Influent	Effluent	Influent	Effluent	Influent	Effluent
TPH	5 ppm		1.2 mg/l	ND mg/l	ND mg/l	ND mg/l	ND mg/l	ND mg/l
Methyl Butyl Tert Ether	70 ppb		85,600 ug/l	ND ug/l	29,600 ug/l	ND ug/l	17,700 ug/l	ND ug/l
Benzene	5 ppb		1,330 ug/l	ND ug/l	946 ug/l	ND ug/l	1,130 ug/l	ND ug/l
Toluene	*		695 ug/l	ND ug/l	1,900 ug/l	ND ug/l	1,880 ug/l	ND ug/l
Ethylbenzene	*		269 ug/l	ND ug/l	160 ug/l	ND ug/l	301.0 ug/l	ND ug/l
Xylenes	*		2,990 ug/l	ND ug/l	2,940 ug/l	ND ug/l	540 ug/l	ND ug/l
Total BTEX	100 ppb		5,284 ug/l	ND ug/l	5,946 ug/l	ND ug/l	3,851.0 ug/l	ND ug/l

*No established limit



Technical Report for

Camp Dresser & McKee

Global Petroleum, Revere MA

Accutest Job Number: M41315

Sampling Dates: 08/16/04 - 08/18/04

Report to:

Camp Dresser & McKee
50 Hampshire Street
Cambridge, MA 02139

ATTN: James H. Winkler

Total number of pages in report: 27



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Fand
Reza Fand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579)
NY (23346) NJ (MA926) NAVY USACE

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SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Camp Dresser & McKee

Job No M41315

Site: Global Petroleum, Revere MA

Report Date 9/7/2004 8:22:05 AM

5 Sample and 1 Trip Blank were collected on between 08/16/2004 and 08/18/2004 and were received at Accutest on 08/20/2004 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of M41315. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GC By Method EPA 602

Matrix: AQ

Batch ID: GAB836

- All samples were analyzed within the recommended method holding time.
- Sample(s) M41315-5MS, M41315-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M41315-1 has surrogates outside control limits due to possible matrix interference.
- For EPA 602, only BTX and MTBE requested.

Wet Chemistry By Method EPA 418.1

Matrix: AQ

Batch ID: GP4735

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M41315-1DUP, M41315-2MS were used as the QC samples for Petroleum Hydrocarbons.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M41315).



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-CAM	Exhibit VII A-1
22 May 2003	Revision No. 3.1
Final	Page 13 of 30

Title: **MADEP MCP Response Action Analytical Report Certification Form**

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Accutest Laboratories of New England Project #: M41315

Project Location: Global Petroleum, Revere MA MADEP RTN ¹ None

This form provides certifications for the following data set:
M41315-1, M41315-2, M41315-3, M41315-4, M41315-5, M41315-6

Test Method: EPA 602, 418.1, and below

Sample Matrices: Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: ☐ ☐

MCP SW-846 Methods Used	8260B <input type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input type="checkbox"/>	7470A/1A <input type="checkbox"/>
	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input type="checkbox"/>	6020 <input type="checkbox"/>	9014M ² <input type="checkbox"/>
As specified in MADEP Compendium of Analytical Methods (Check all that apply)	8082 <input type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input type="checkbox"/>	7000 S ³ <input type="checkbox"/>	7196A <input type="checkbox"/>

¹ List Release Tracking Number (RTN), if known
² M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
³ S - SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
		Refer to Narrative		
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No ¹
		Refer to Narrative		

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Reza Tand Position: Laboratory Director

Printed Name: Reza Tand Date: 09/07/2004

Sample Summary

Camp Dresser & McKee

Global Petroleum, Revere MA

Job No: M41315

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
M41315-1	08/18/04	11:35 TAN	08/20/04	AQ Influent	INF-81804
M41315-2	08/18/04	11:35 TAN	08/20/04	AQ Ground Water	CIN-81804
M41315-3	08/18/04	11:35 TAN	08/20/04	AQ Ground Water	MID-1-81804
M41315-4	08/18/04	11:35 TAN	08/20/04	AQ Ground Water	MID-2-81804
M41315-5	08/18/04	11:35 TAN	08/20/04	AQ Effluent	EFF-81804
M41315-6	08/16/04	11:35 TAN	08/20/04	AQ Trip Blank Water	TB

Report of Analysis

Client Sample ID:	INF-81804	Date Sampled:	08/18/04
Lab Sample ID:	M41315-1	Date Received:	08/20/04
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	EPA 602		
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB16474.D	1	08/23/04	AA	n/a	n/a	GAB836
Run #2	AB16483.D	100	08/23/04	AA	n/a	n/a	GAB836

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	946 ^a	100	ug/l	
108-88-3	Toluene	1900 ^a	100	ug/l	
100-41-4	Ethylbenzene	160	1.0	ug/l	
1330-20-7	Xylenes (total)	2940 ^a	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	29600 ^a	100	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	56% ^b	74%	61-124%

(a) Result is from Run# 2

(b) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: INF-81804**Lab Sample ID:** M41315-1**Matrix:** AQ - Influent**Project:** Global Petroleum, Revere MA**Date Sampled:** 08/18/04**Date Received:** 08/20/04**Percent Solids:** n/a**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	08/25/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CIN-81804	Date Sampled:	08/18/04
Lab Sample ID:	M41315-2	Date Received:	08/20/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 602		
Project:	Global Petroleum, Revere MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB16475.D	1	08/23/04	AA	n/a	n/a	GAB836
Run #2	AB16482.D	5	08/23/04	AA	n/a	n/a	GAB836

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	3.1	1.0	ug/l	
108-88-3	Toluene	4.6	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	14.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1400 ^a	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	75%	71%	61-124%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: CIN-81804	Date Sampled: 08/18/04
Lab Sample ID: M41315-2	Date Received: 08/20/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Global Petroleum, Revere MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	08/25/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	MID-1-81804		
Lab Sample ID:	M41315-3	Date Sampled:	08/18/04
Matrix:	AQ - Ground Water	Date Received:	08/20/04
Method:	EPA 602	Percent Solids:	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB16476.D	1	08/23/04	AA	n/a	n/a	GAB836
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	299	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	72%		61-124%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID-1-81804	Date Sampled:	08/18/04
Lab Sample ID:	M41315-3	Date Received:	08/20/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Global Petroleum, Revere MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	08/25/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	MID-2-81804						
Lab Sample ID:	M41315-4					Date Sampled:	08/18/04
Matrix:	AQ - Ground Water					Date Received:	08/20/04
Method:	EPA 602					Percent Solids:	n/a
Project:	Global Petroleum, Revere MA						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB16477.D	1	08/23/04	AA	n/a	n/a	GAB836
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	72%		61-124%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MID-2-81804	Date Sampled:	08/18/04
Lab Sample ID:	M41315-4	Date Received:	08/20/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Global Petroleum, Revere MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	08/25/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	EFF-81804		
Lab Sample ID:	M41315-5	Date Sampled:	08/18/04
Matrix:	AQ - Effluent	Date Received:	08/20/04
Method:	EPA 602	Percent Solids:	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB16478.D	1	08/23/04	AA	n/a	n/a	GAB836
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	71%		61-124%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: EFF-81804**Lab Sample ID:** M41315-5**Matrix:** AQ - Effluent**Project:** Global Petroleum, Revere MA**Date Sampled:** 08/18/04**Date Received:** 08/20/04**Percent Solids:** n/a**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	<0.61	0.61	mg/l	1	08/25/04	BF	EPA 418.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	TB		
Lab Sample ID:	M41315-6	Date Sampled:	08/16/04
Matrix:	AQ - Trip Blank Water	Date Received:	08/20/04
Method:	EPA 602	Percent Solids:	n/a
Project:	Global Petroleum, Revere MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB16479.D	1	08/23/04	AA	n/a	n/a	GAB836
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	70%		61-124%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 1

Job Number: M41315
Account: CDM Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAB836-MB	AB16472.D	1	08/23/04	AA	n/a	n/a	GAB836

The QC reported here applies to the following samples:

Method: EPA 602

M41315-1, M41315-2, M41315-3, M41315-4, M41315-5, M41315-6

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Limits
	2,3,4-Trifluorotoluene	64% 61-124%

Blank Spike Summary

Page 1 of 1

Job Number: M41315
Account: CDM Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAB836-BSP	AB16473.D	1	08/23/04	AA	n/a	n/a	GAB836

The QC reported here applies to the following samples:

Method: EPA 602

M41315-1, M41315-2, M41315-3, M41315-4, M41315-5, M41315-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.1	91	39-150
100-41-4	Ethylbenzene	20	14.3	72	32-160
1634-04-4	Methyl Tert Butyl Ether	20	18.2	91	65-122
108-88-3	Toluene	20	16.0	80	46-148
1330-20-7	Xylenes (total)	60	44.5	74	69-111

CAS No.	Surrogate Recoveries	BSP	Limits
	2,3,4-Trifluorotoluene	74%	61-124%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: M41315
Account: CDM Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M41315-5MS	AB16480.D	1	08/23/04	AA	n/a	n/a	GAB836
M41315-5MSD	AB16481.D	1	08/23/04	AA	n/a	n/a	GAB836
M41315-5	AB16478.D	1	08/23/04	AA	n/a	n/a	GAB836

The QC reported here applies to the following samples:

Method: EPA 602

M41315-1, M41315-2, M41315-3, M41315-4, M41315-5, M41315-6

CAS No.	Compound	M41315-5 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	20	16.0	80	18.3	92	13	39-150/30
100-41-4	Ethylbenzene	ND	20	13.2	66	14.4	72	9	32-160/30
1634-04-4	Methyl Tert Butyl Ether	ND	20	16.3	82	19.7	99	19	57-126/30
108-88-3	Toluene	ND	20	14.3	72	15.9	80	11	46-148/30
1330-20-7	Xylenes (total)	ND	60	40.8	68	44.7	75	9	61-113/30

CAS No.	Surrogate Recoveries	MS	MSD	M41315-5	Limits
	2,3,4-Trifluorotoluene	68%	74%	71%	61-124%

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: M41315
Account: CDM Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Method: EPA 602

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
M41315-1	AB16483.D	74.0
M41315-1	AB16474.D	56.0* ^b
M41315-2	AB16482.D	71.0
M41315-2	AB16475.D	75.0
M41315-3	AB16476.D	72.0
M41315-4	AB16477.D	72.0
M41315-5	AB16478.D	71.0
M41315-6	AB16479.D	70.0
GAB836-BSP	AB16473.D	74.0
GAB836-MB	AB16472.D	64.0
M41315-5MS	AB16480.D	68.0
M41315-5MSD	AB16481.D	74.0

Surrogate Compounds	Recovery Limits
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S1 = 2,3,4-Trifluorotoluene	61-124%
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(a) Recovery from GC signal #2

(b) Outside control limits due to possible matrix interference.

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: M41315
Account: CDM - Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Analyte	Batch ID	RL	MB Result	Units	BSP %Recov	QC Limits
Petroleum Hydrocarbons	GP4735/GN14597	0.60	<0.60	mg/l	108.0	80-120%

Associated Samples:

Batch GP4735: M41315-1, M41315-2, M41315-3, M41315-4, M41315-5

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: M41315
Account: CDM - Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Petroleum Hydrocarbons	GP4735/GN14597	M41315-1	mg/l	<0.61	<0.61	0.0	0-20%

Associated Samples:

Batch GP4735: M41315-1, M41315-2, M41315-3, M41315-4, M41315-5

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: M41315
Account: CDM - Camp Dresser & McKee
Project: Global Petroleum, Revere MA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Petroleum Hydrocarbons	GP4735/GN14597	M41315-2	mg/l	<0.61	5.1	4.2	82.4	75-125%

Associated Samples:

Batch GP4735: M41315-1, M41315-2, M41315-3, M41315-4, M41315-5

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Sample Tracking Chronicle

Internal Sample Tracking Chronicle

Camp Dresser & McKee

Job No: M41315

Global Petroleum, Revere MA

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M41315-1 Collected: 18-AUG-04 11:35 By: TAN Received: 20-AUG-04 By: RS INF-81804						
M41315-1	EPA 602	23-AUG-04 12:09	AA			V602BTXM
M41315-1	EPA 602	23-AUG-04 18:13	AA			V602BTXM
M41315-1	EPA 418.1	25-AUG-04	BF	25-AUG-04 BF		PHC
M41315-2 Collected: 18-AUG-04 11:35 By: TAN Received: 20-AUG-04 By: RS CIN-81804						
M41315-2	EPA 602	23-AUG-04 12:49	AA			V602BTXM
M41315-2	EPA 602	23-AUG-04 17:32	AA			V602BTXM
M41315-2	EPA 418.1	25-AUG-04	BF	25-AUG-04 BF		PHC
M41315-3 Collected: 18-AUG-04 11:35 By: TAN Received: 20-AUG-04 By: RS MID-1-81804						
M41315-3	EPA 602	23-AUG-04 13:29	AA			V602BTXM
M41315-3	EPA 418.1	25-AUG-04	BF	25-AUG-04 BF		PHC
M41315-4 Collected: 18-AUG-04 11:35 By: TAN Received: 20-AUG-04 By: RS MID-2-81804						
M41315-4	EPA 602	23-AUG-04 14:09	AA			V602BTXM
M41315-4	EPA 418.1	25-AUG-04	BF	25-AUG-04 BF		PHC
M41315-5 Collected: 18-AUG-04 11:35 By: TAN Received: 20-AUG-04 By: RS EFF-81804						
M41315-5	EPA 602	23-AUG-04 14:50	AA			V602BTXM
M41315-5	EPA 418.1	25-AUG-04	BF	25-AUG-04 BF		PHC
M41315-6 Collected: 16-AUG-04 11:35 By: TAN Received: 20-AUG-04 By: RS TB						
M41315-6	EPA 602	23-AUG-04 15:30	AA			V602BTXM

ACCUTEST QUOTE #: M41315